



June, 2005

CURRICULUM VITAE

Name: Stephen T. Sonis

Address: 8 Decatur Lane, Wayland, Massachusetts 01778

Place of Birth: Providence, Rhode Island

Education:

1967	B.S.	-Norwich University
1972	D.M.D.	-Tufts University
1976	D.M.Sc.	-Harvard University
1976-1977	Post-doctoral	-Oxford University (England)

Specialty and Postdoctoral Training:

1972-1976	Clinical Scholar Doctoral candidate, Harvard-Forsyth Training Center for Clinical Scholars in Oral Biology
1972-1976	Specialty Training in Oral Medicine and Periodontology, Harvard School of Dental Medicine
1976-1977	Postdoctoral Fellow, Wolfson College, Oxford University, Oxford, England

Research Fellowships:

1970 (Summer)	Fellowship in Preventative Medicine and Dentistry
1971 (Summer)	Tufts University Research Fellow

Licensure and Certification:

Massachusetts - Registration #11920
American Board of Oral Medicine #220
Fellow, American Association of Hospital Dentists

Academic Appointments:

1972 (Summer)	Instructor in Oral Diagnosis, Tufts University School of Dental Medicine
1976-1978	Instructor in Periodontology, Harvard School of Dental Medicine



1978-1980	Assistant Professor of Periodontology, Harvard School of Dental Medicine
1980-1984	Assistant Director, Clinical Cancer Education Program, Harvard School of Dental Medicine
1980-1981	Assistant Professor of Oral Medicine and Oral Pathology, Harvard School of Dental Medicine
1981-1988	Associate Professor of Oral Medicine and Oral Pathology, Harvard School of Dental Medicine
1984-1988	Co-director, Clinical Cancer Education Program, Harvard School of Dental Medicine
1988-	Professor of Oral Medicine and Oral Pathology, Harvard School of Dental Medicine
1992-2001	Senior Fellow, William Castle Society, Harvard Medical School
1993-2002	Chairman, Department of Oral Medicine and Diagnostic Sciences, Harvard School of Dental Medicine
2002-2005	Chairman, Department of Oral Medicine, Infection and Immunity, Harvard School of Dental Medicine
1996-	Research Advisor, Harvard-MIT-NEMC Research Training in Medical Informatics

Hospital Appointments:

1977-1978	Associate in Surgery (Dental), Sidney Farber Cancer Institute
1978-1979	Chief of Dental Services, Peter Bent Brigham Hospital
1976-1979	Junior Associate in Surgery (Dental), Peter Bent Brigham Hospital
1979-1982	Junior Associate in Surgery, Brigham and Women's Hospital
1977-1982	Director, Residency Program in General Dentistry, Peter Bent Brigham Hospital (Brigham and Women's Hospital)
1978-1982	Consultant in Surgical Oncology (Dental), Sidney Farber Cancer Institute
1979-1995	Chief of Dental Services, Brigham and Women's Hospital
1982-	Consultant in Dentistry, Children's Hospital Medical Center
1982-2003	Associate Physician in Surgical Oncology, Dana Farber Cancer Institute
2003-	Senior Surgeon, Dana Farber Cancer Institute
1982-	Consultant in Oral Surgery, New England Deaconess Hospital
1982-1996	Surgeon, Brigham and Women's Hospital
1983-	Consultant in Dental Surgery, Beth Israel Hospital
1995-2000	Chief, Division of Oral Medicine, Oral and Maxillo-

	facial Surgery and Dentistry, Brigham and Women's Hospital
1995-	Chief Division of Oral Medicine, Oral and Maxillofacial Surgery and Dentistry, Dana-Farber Cancer Institute
1996-	Senior Surgeon, Brigham and Women's Hospital

Other Professional Positions and Major Visiting Appointments:

1972 (Summer)	Tufts University School of Dental Medicine Instructor in Oral Diagnosis
1977-1983	Boston University School of Dental Medicine (Lecturer)
1977-1995	Tufts University School of Dental Medicine (Lecturer)
1978-1982	Abstractor, Transplantation Proceedings
1984-1986	Member, National Advisory Board for Dentistry, Professional Seminar Consultants, Inc.
1997-	Chief Medical Consultant, Biomodels and Affiliates, LLC

Awards and Honors:

Tufts Alumni Association Award in Periodontology
 American Academy of Oral Medicine Award
 Recipient, Knox Traveling Fellowship, Harvard University
 Distinguished Faculty Award, Harvard School of Dental Medicine
 International College of Dentistry Journalism Award
 Certificate of Appreciation, Leukemia Society of America
 Omicron Kappa Upsilon
 Fellow, American Academy of Dental Science
 Fellow, International College of Dentists
 Fellow, American College of Dentists
 Certificate of Merit, American Academy of Oral Medicine
 Samuel Charles Miller Award, American Academy of Oral Medicine
 Selected as "Dental Visionary" by the American Dental Student Association
 Certificate of Appreciation, Boston Health and Hospitals HIV Program

Major Committee Assignments:

1978-1999	Committee on Postdoctoral Education, Harvard School of Dental Medicine
1979-1985	Consultant, Commission on Accreditation of Dental and Dental Auxiliary Education Programs, American Dental Association

1980-1982	Ambulatory Task Force, Brigham and Women's Hospital
1980-1982	Co-Chairman, Ad Hoc Committee on Fellowship, American Association of Hospital Dentists (AAHD)
1980-1982	Chairman, Standing Committee on Hospital Procedures (AAHD)
1982-1984	Regional Vice-President, American Association of Hospital Dentists (AAHD)
1983-1989	Hospital Committee for the Protection of Human Subjects from Research Risks
1983-1985	Ambulatory and Community Health Services Committee, Brigham and Women's Hospital
1983-1991	Standing Committee on Editorial Policy and Publications, American Association of Hospital Dentists (AAHD)
1983-1985	Standing Committee on Nominations, American Association of Hospital Dentists (AAHD)
1984-1986	Publicity and Public Relations Committee, American Academy of Oral Medicine
1984-1986	Committee on Tissue Banks, American Academy of Periodontology
1985-2000	Ambulatory Practice Advisory Committee, Brigham and Women's Hospital
1991-1997	Faculty Council (elected), Faculty of Medicine, Harvard Medical School. Reelected 1994.
1993-1997	Infection Control Committee, Massachusetts Dental Society
1993-1997	Scientific Program Committee, Yankee Dental Congress, Massachusetts Dental Society
1993-1996	Committee on Appointments and Promotions, Harvard School of Dental Medicine
1993-1996	Chair, Curriculum Development Group (Years 1 and 2), Harvard School of Dental Medicine
1995-1998	Committee on Appointments and Promotions, Faculty of Medicine, Harvard University
1998-1999	Advisory Committee on Dental Care for Medicaid Recipients, Commonwealth of Massachusetts
1999-	Task Force for Research, Harvard School of Dental Medicine
1999-2001	Committee on Appointments and Promotions, Faculty of Medicine, Harvard University
1999-2000	Task Force on Graduate Education, Harvard School of Dental Medicine
1999-	Committee on Graduate Education, Harvard School of Dental Medicine
1999-	Harvard-Forsyth Oversight Committee
2000-	Committee on Admissions, Harvard School of Dental Medicine
2000-2002	Primary Reviewer, MASCC/ISOO Mucositis Consensus Guideline
2004-	NIH Consensus Development Project on Criteria for Clinical Trials in Chronic Graft-versus-Host Disease

Editorial Boards:

1982-84	Associate Editor, <u>Cancer of the Head and Neck</u>
1984-89	Associate Editor, <u>Journal of Oral Medicine</u>
1985-88	Editor-in-Chief, <u>DentSat</u>
1986-89	Associate Editor, <u>Special Care in Dentistry</u>
1987-92	Editorial Advisor, <u>Annals of Dentistry</u>
1989-91	Editor, <u>Current Opinion in Dentistry</u>
1990-	Occasional Reviewer, <u>New England Journal of Medicine</u> , <u>Journal of Clinical Oncology</u> , <u>Cytokine</u> , <u>Journal of the</u> <u>American Dental Association</u> , <u>Proliferation</u> , <u>Cancer</u> , <u>Radiation Research</u> , <u>International Journal of Radiation Biology</u> , <u>Oncology</u> , <u>Physics</u>
1991-93	Editor-in-Chief, <u>Current Opinion in Dentistry</u>
1992-	Editorial Board, <u>European J Cancer Part B Oral Oncology</u>
1993-1999	Editorial Board, <u>Journal of Periodontology</u>
1999-	Associate Editor, <u>HMS Family Health Guide</u> , Web book supplement
2004-	Editorial Board, <u>Journal of Supportive Oncology</u>
2005-	Editorial Board, <u>Journal of Dental Research</u>

Major Research Interests:

1. Model development for therapeutic interventions of oral complications of systemic disease
2. Oral complications of cancer therapy
3. Outcomes and benefit assessment

Professional Organizations:

American Academy of Oral Medicine
American Academy of Oral Pathology
International Association for Dental Research
International Society of Oral Oncology
Harvard Odontological Society
American College of Dentists
International College of Dentists
Multinational Association for Supportive Care in Cancer
American Society of Clinical Oncology
International Academy of Oral Oncology (Founding Fellow)

Teaching Experience:

1. Clinical and didactic: General Practice Residency Program in

- Dentistry, Brigham and Women's Hospital
2. Clinical and didactic: Introduction to Clinical Medicine, Harvard Medical School at Brigham and Women's Hospital
 3. Didactic: Predoctoral Oral Pathology, Harvard School of Dental Medicine
 4. Didactic: Postdoctoral Oral Pathology, Harvard School of Dental Medicine
 5. Didactic: Predoctoral Oral Oncology, Harvard School of Dental Medicine
 6. Didactic: Predoctoral Oral Medicine, Tufts University School of Dental Medicine.
 7. Didactic: Postdoctoral Periodontology, Tufts University School of Dental Medicine.
 8. Didactic: Continuing Education Programs in Oral Medicine, Brigham and Women's Hospital and Harvard School of Dental Medicine
 9. Didactic: Videotapes Moderator and Editor-in-Chief, DentSat (24 programs annually).
 10. Research sponsor, pre- and postdoctoral, Harvard School of Dental Medicine
 11. Didactic: Continuing education lectures to numerous dental and medical groups.
 12. Advisor, Castle Society, Harvard Medical School.
 13. Creator, Harvard Experience-based Longitudinal Program in Dentistry.
 14. Informatics training program
 15. Numerous invited presentations (national and international)

Bibliography

Journals:

1. Jackim E, Hamlin J, Sonis ST. The effect of heavy metals on enzyme activity in the killifish *Fundulus Heteroclitus*). J Fisheries Res Board Board of Canada 1970; 27:383-388.
2. Jandinski JJ and Sonis ST. In vitro effects of isobutyl cyanoacrylate on four types of bacteria. J Dent Res 1971; 50:1557-1558.
3. Jandinski JJ, Sonis ST, Doku HC. The incidence of mast cells in selected oral lesions. Oral Surg 1972; 34:245-248.
4. Wilson RE, Sonis ST, Godrick EA. Neuraminidase as an adjunct in the treatment of residual systemic tumor with specific immune therapy.

Behring Inst Mitt 1974; 55:334-342.

5. Sonis ST, Stelos P, Kopelman JD, Wilson RE. Contrasting effects of alloantiserum and xenoantiserum on cell-mediated lysis of tumor cells. *Cell Immunol* 1975; 16:251-260.
6. Sonis ST, Jandinski JJ, Guinta J. Cyanoacrylate as an adhesive for other medicaments. A study with Triamcinolone on the healing of experiment oral ulcers. *Pharm and Therapeut in Dent* 1975; 2:147-156.
7. Sonis ST, Stelos P, Bear SE, Fitzgerald MA, Wilson RE. The immune response of mice repeatedly injected with allogeneic tumor cells. *Transplantation* 1975; 20:399-403.
8. Sonis ST, Stelos P, Wilson RE. Successful immunotherapy with BCG as an adjunct to surgical resection for murine fibrosarcoma. *Surg Forum* 1975; 26:133-135.
9. Shklar G, Sonis ST. The effect of methotrexate on experimental salivary gland neoplasia. *Arch Oral Biol* 1975; 20:787-790.
10. Sonis ST, Stelos P, Fitzgerald M, Bear S, Wilson RE. The role of effector cells and antiserum in the inhibition of cell-mediated cytotoxicity of allogeneic tumor cells. *Transplantation* 1976; 22:52-60.
11. Sonis ST, Stelos P, Bancewicz J, Kolodkin A, Wilson RE. Potentiation of cell-mediated lysis of xenogeneic tumor cells: The role of antiserum and effector cells. *Cell Immunol* 1976; 23:297-308.
12. Sonis ST, Stelos P, Stylos WA, Wilson RE. Inhibition of lymphoma cell proliferation by supernatant from fibrosarcoma cultures: Preliminary evidence that the inhibitory material is Prostaglandin E. *Prostaglandins* 1977; 12:87-96.
13. Falcao R, Sonis ST, MacLennan ICM, Chassoux D, Davies A, Munro T. Assessment of drug sensitivity of human leukemia myeloblasts. I. Labeling human myeloblasts with 5-125UdR-2'-Deoxyuridine for survival studies in mice. *Brit J Cancer* 1977; 36:297-306.
14. Sonis ST, Falcao R, MacLennan ICM. Assessment of drug sensitivity of human leukemic myeloblasts. II. Correlation of clinical responses to cytosine arabinoside with rate of destruction 125UdR-labeled myeloblasts by this drug in mice. *Brit J Cancer* 1977; 36:307-312.

15. Wilson RE, Sonis ST, Steele G, Jr., Godrick EA, Stelos P. Immuno-therapy with neuraminidase in murine animal models: In vitro monitoring of the immune state. In Immunotherapy of Malignant Disease: Selected paper of an International Symposium in Vienna (11/9-12/77), 219. Rainer I (ed), F.K. Schattauer Verlag, Stuttgart, Germany, 1978.
16. Lamster I, Sonis ST, Hannigan A, Kolodkin A. An association between Crohn's disease, periodontal disease and enhanced neutrophil function. J Perio 1978; 49:475-479.
17. Steele GD, Jr., Sonis ST, Stelos P, Rittgers R, Zamcheck N, Finn D, Maltz J, Mayer R, Wilson RE. Circulating immune complexes inpatients following clinically curative resection of colorectal cancer. Surgery 1978; 84:648-654.
18. Sonis ST, Clark WB, Shklar G. Chlorhexidine-induced lingual keratosis and dysplasia in rats. J Perio 1978; 49:585-591.
19. Sonis ST, Sonis A, Lieberman A. Oral complications in patients receiving treatment for non-head and neck malignancies. J Am Dent Assoc 1978; 97:468-472.
20. Lamster I, Sonis ST, Mirando DM, Wilson RE. Influence of supernatants from polymorphonuclear leukocytes on blastogenesis of syngeneic and allogeneic murine splenocytes. Clin Exp Immunol 1979; 36:285-291.
21. Sonis ST, Mirando D, Stelos P. Capacity of human oral leucocytes to mediate antibody-dependent cell-mediated cytotoxicity. Arch Oral Biol 1979; 24:235-237.
22. Sonis A, Sonis ST. Oral complications of cancer chemotherapy in pediatric patients. J Pedodontics 1979; 3:122-128.
23. Sonis ST, Mirando DM, Lamster I, Stelos P, Wilson RE. Evidence suggesting the presence of antigen-antibody complexes on the surface of salivary leukocytes. J Perio Res 1979; 14:370-375.
24. Lockhart PB, Sonis ST. Relationship of oral complications to peripheral blood leukocyte and platelet counts in patients receiving cancer chemotherapy. Oral Surg 1979; 48:21-28.

25. Lamster IB, Sonis ST, Wilson RE, Falchuk ZM. Enhanced metabolic activity by polymorphonuclear leukocytes from patients with active inflammatory bowel disease. *Surg Forum* 1979; 30:362-364.
26. Stafford R, Sonis ST, Lockhart P, Sonis A. Oral pathoses as a diagnostic indicator in leukemia. *Oral Surg* 1980; 50:134-139.
27. Lamster I, Sonis ST, Mirando D, Kolodkin A, Rodrick M, Wilson R. Modification of in vitro and in vivo immune function by acute inflammatory cells. *Transplantation* 1980; 30:244-250.
28. Lockhart PB, Sonis ST. Utilization of inpatient dental consultation services. *J Hosp Dent Prac* 1981; 1:18-21.
29. Stafford RE, Sonis ST, Shklar G. Bilateral necrotizing sialometaplasia: A case report. *J Oral Med* 1981; 36:28-30.
30. Sonis AL, Sonis ST. Gingival crevice lymphoblasts in children with acute lymphoblastic leukemia. *J Perio* 1981; 52:276-279.
31. Lockhart PB, Sonis ST. Alterations in the oral mucosa caused by chemotherapeutic agents: A histologic study. *J Derm Surg and Oncol* 1981; 7:1019-1025.
32. Sonis ST, Shklar G. Preliminary immunologic studies on retinoid inhibition of experimental carcinogenesis. *J Oral Med* 1981; 36:117-120.
33. Rodrick ML, Lamster IB, Sonis ST, Pender SG, Kolodkin AB, Fitzgerald JE, Wilson RE. Effects of supernatants of polymorphonuclear neutrophils recruited by different inflammatory substances on mitogen responses of lymphocytes. *Inflammation* 1982; 6:1-11.
34. Stafford RF, Lockhart PB, Sonis AL, Sonis ST. Hematologic parameters as predictors of oral involvement in the presentation of acute leukemia. *J Oral Med* 1982; 37:38-41.
35. Lamster IB, Rodrick ML, Sonis ST, Falchuk ZM. An analysis of peripheral blood and salivary PMNL function, circulating immune complex levels and oral status in patients with inflammatory bowel disease. *J Perio* 1982; 53:231-238.
36. Peterson DP, Sonis ST. Oral complications of cancer chemotherapy: Present status and future studies. *Cancer Treatment Reports* 1982;

66:1251-1256.

37. Goteiner D, Sonis ST, Fasciano R. Cavernous sinus thrombosis and brain abscess initiated and maintained by periodontally involved teeth. *J Oral Med* 1982; 3:80.
38. Devereux D, Sonis ST, Tilney NL. The antigenicity of electrocauterized allogeneic tumor cells in mice. *J Surg Res* 1982; 33:17-22.
39. Sonis ST, Fazio R, Setkowicz A, Gottlieb D, Vorhaus C. Comparison of the nature and frequency of medical problems among patients in general, specialty and hospital dental practices. *Ann Dent* 1982; 2:42-45.
40. Fitzgerald JE, Sonis ST, Rodrick ML, Wilson RE. Interaction of Ia antigen-bearing polymorphonuclear leukocytes and murine splenocytes. *Inflammation* 1983; 7:25-33.
41. Sonis ST, Kaban LB, Glowacki J. Clinical trial of demineralized bone in the treatment of periodontal defects. *J Oral Med* 1983; 38:117-122.
42. Connolly SF, Lockhart PB, Sonis ST. Severe oral hemorrhage and sepsis following bone marrow transplant failure. *Oral Surg* 1983; 56:483-486.
43. Fitzgerald J, West K, Sonis S, Wilson R. Polymorphonuclear leukocyte regulation of lymphocyte proliferation and differentiation. *Immunobiol* 1983; 165:421-431.
44. Connolly SF, Sonis ST, Lockhart PB. An Unusually Located Early Peripheral Ameloblastoma of the Anterior Mandible: A Case Report. *J Oral Med* 1984; 39:180-182.
45. Cortes R, Correa LA, Behbehani AI, Sonis ST, Wilson RE. Successful immunotherapy in a murine metastasizing fibrosarcoma model. *J Surg Oncol* 1984; 25:289-295.
46. Sonis ST, Clairmont F, Lockhart PB, Connolly SF. Benzydamine HCl in the management of chemotherapy-induced mucositis. I. Pilot Study. *J Oral Med* 1985; 40:67-71.
47. Sonis ST, Williams RC, Jeffcoat MK, Black R and Shklar G. Healing of spontaneous periodontal defects in dogs treated with xenogeneic demineralized bone. *J Periodontal* 1985; 56:470-497.

48. Archibald D, Lockhart PB, Sonis ST, Ervin TJ, Fallon BG, Miller D and Clark JR. Oral complications of multi-modality therapy for advanced squamous cell carcinoma of head and neck. *Oral Surg* 1986; 61:139-141.
49. Stoufi E, Sonis ST, Shklar G. Significance of the head and neck in late infection in renal transplant recipients. *Oral Surg* 1986; 62(5):524-528.
50. White BA, Lockhart PB, Connolly SF, Sonis ST. The use of infrared thermography in the evaluation of oral lesions. *J Am Dent Assoc* 1986; 113:783-786.
51. Wu J, Fitzgerald J, Sonis ST, Ravikumar T, Wilson R. Increased efficiency of immunotherapy using irradiated tumor cells. *Cancer Immunology Immunotherapy* 1986; 24:68-71.
52. White BA, Lockhart PB, Connolly SF, Sonis ST. The use of infrared thermography in the evaluation of oral lesions. *Int J Tiss Reac* 1987; IX(2):105-114.
53. Sonis ST and Valachovic R. Analysis of dental services based in the emergency room. *Spec Care in Dent* 1987; 8:106-108.
54. Sonis ST. Hospital Dentistry: Is there a future? *Spec Care in Dent*, November-December 1987; 7:243.
55. Sonis ST and Kunz A. Impact of improved dental services on the frequency of oral complications of cancer therapy. *Oral Surg* 1988; Jan. 65(1):19-22.
56. Hahn E, Sonis ST, Gallagher G, Atwood D and Ichiro N: Preservation of the alveolar ridge with hydroxylapatite-collagen implants in rats. *J Pros Dent* Feb 1988.
57. Combs W, Sonis ST, Fitzgerald J, Tracey C and Wilson RE: In vivo and in vitro effects of Beta-carotene and algae extracts in murine tumor models. *Nutrition and Cancer* 1989; 12:371-380.
58. Sonis ST, Tracey C, Shklar G, Jenson J, Florine D: An animal model for mucositis induced by cancer chemotherapy. *Oral Surg* 1990; 69:437-543.
59. Sonis ST, Woods P, White BA. Pretreatment assessment of patients undergoing cancer chemotherapy. *J Nat'l Inst* 1990; 9:29-32.

60. Woo SB, Sonis ST, Sonis AL. The role of herpes simplex virus in the development of mucositis in Bone Marrow Transplant Recipients. *Cancer* 1990; 66:2375-2379.
61. Sonis ST. Acquired Immunodeficiency virus in dentistry. *Current Opinion in Dentistry* 1991; 1:373-374.
62. Kitay D, Ferraro N, Sonis S. Lateral pharyngeal space abscess as a consequence of regional anesthesia. *J Am Dent Assoc* 1991; 122: 56-59.
63. Sonis S, Clark J. Prevention and management of oral mucositis induced by antineoplastic therapy. *Oncology* 1991; 5:11.
64. Sonis ST. The three H's are not enough. *Curr Opin Dent.* 1991; 1:715.
65. Hayes C, Sonis ST. Effect of medical status on dental procedure time. *Spec Care Dentist* 1992; 12:71.
66. Sonis S, Koplowsky A, Mitus J et al. Relationship of chemotherapy-induced mucositis and myelosuppression in hamsters. *Eur J Cancer B Oral Oncol* 1992; 28B:43.
67. Sonis ST, Costa JW, Evitts SM et al. Effect of epidermal growth factor on ulcerative mucositis in hamsters that receive cancer chemotherapy. *Oral Surg Oral Med Oral Pathol* 1992; 74:749.
68. Peters E, Monopoli M, Woo S, Sonis S. Assessment of the need for treatment of postendodontic asymptomatic periapical radiolucencies in bone marrow transplant recipients. *Oral Surg Oral Med Oral Pathol* 1993; 75:45.
69. Sonis ST et al. Position paper for the AAP. Treatment of gingivitis and periodontitis. 1993.
70. Woo SB, Sonis ST, Monopoli MM et al: A longitudinal study of oral ulcerative mucositis in bone marrow transplant recipients. *Cancer* 1993; 72:1612-1617.
71. Sonis ST, Lindquist L, VanVugt A et al. Prevention of chemotherapy-induced ulcerative mucositis by transforming growth factor beta 3.

Cancer Res 1994; 54:1135-1138.

72. Keith JC, Albert L, Sonis ST et al. IL-11. A pleiotropic cytokine: Exciting new affects of IL-11 on gastrointestinal mucosal biology. Stem Cells (Dayt), 1994. 12 Suppl 1:79-89; discussion 89-90.
73. Sonis ST, Muska A, O'Brien J, VanVugt A, Keith J, Safer P. Alteration in the frequency, severity and duration of chemotherapy-induced mucositis in hamsters by Interleukin-11. Europ J Cancer B: Oral Oncology 1995. 31B:261-266.
74. Sonis ST, Costello K: A database of chemotherapy-induced mucositis Europ J Cancer B: Oral Oncology 1995. 31B:258-260.
75. Sonis ST, Haley JD: Pharmacological attenuation of chemotherapy-induced oral mucositis. Exp Opin Invest drugs, 1996. 5:1155-1162.
76. Peters ES, Fong B, Wormuth DW, Sonis ST. Risk factors affecting hospital length of stay in patients with odontogenic maxillofacial infections. J Oral Maxillofac Surg 1996, 54:1386-1391.
77. Woo SB and Sonis ST. Recurrent aphthous ulcers: A review of diagnosis and treatment. J Am Dent Assoc 1996. 127:1202-1213.
78. Sonis ST, VanVugt A, Haley J et al. Attenuation of oral mucositis by transforming growth factor B3. European J Cancer Part B 1997. 33:47-54.
79. Sonis ST, VanVugt AG, McDonald J, Dotoli E, Schwertschlag U, Szklut P and Keith J: Mitigating Effects of Interleukin 11 on Consecutive Courses of 5-Fluorouracil-Induced Ulcerative Mucositis in Hamsters. Cytokine 1997. 605-612.
80. Sonis ST: Mucositis as a Biologic Process. A new hypothesis for the development of chemotherapy-induced stomatotoxicity. Oral Oncol 1998; 34:39-43.
81. Ruescher TJ, Sofefi A, Scravani S, Kaban L, Sonis ST. The impact of mucositis on α -hemolytic streptococcal infections in patients undergoing autologous bone marrow transplantation for hematologic malignancies. Cancer 1998; 82: 2275-81..
82. Spijkervet FKL, Sonis ST: New frontiers in the management of chemotherapy-

- induced mucositis. *Current Opin in Oncol*. Vol 10, Suppl 1:S23-S27, 1998.
83. Sonis ST, Eilers JP, Epstein JB, LeVeque FG, Liggett WH, Mulagha MT, et al. Validation of a new scoring system for assessment of clinical trials research of oral mucositis induced by radiation or chemotherapy. *Cancer* 1999. 85:2103-13.
 84. Sonis ST, Edwards L, Lucey C. The biological basis for the attenuation of mucositis. The example of Interleukin-II. *Leukemia* 1999. 13:831-4.
 85. Louny DJ, Embree J, So W, Fuji C, Steinberg DA, Sonis ST, Fiddes JC. Topical administrator of IB-367, a novel antimicrobial peptide, reduces the severity of oral mucositis in 5-FU treated hamsters. *Oral Surg, Oral Med, Oral Pathol* 1999. 87:544-51.
 86. Sonis ST, Peterson RL, Edwards LJ, Lucey CA, Wang L, Mason L, Login G, Ymamakawa M, Moses G, Bouchard P, Hayes LL, Bedrosian C, Dorner AJ. Defining mechanisms of action of Interleukin-11 on the progression of radiation-induced oral mucositis in hamsters. *Oral Oncol* 2000; 36: 373-381.
 87. Epstein JB, Gorsky M, Guglietta A, Le N, Sonis ST. The correlation between epidermal growth factor levels in saliva and mucositis during oropharyngeal radiation therapy. *Cancer*. 2000; 89:2258-65.
 88. Sonis ST, Oster G, Fuchs H, Bellm L, et al. Oral mucositis and the clinical and economic outcomes of blood and bone marrow transplantation. *J Clin Oncol*, 2001; 19: 2001-05.
 89. Sonis ST. Differences between patients with or without need for intensive care due to severe odontogenic infections. Discussion. *J Oral and Maxillofac Surg* 2001; 59:872-73.
 90. Foncuberta MC, Cagnoni PJ, Brandts CH, Mandanas R, Fields K, Derigs HG, Reed E, Sonis ST, Fay J, LeVeque F, Pouillart P, Schrenmeier H, Emmons R, Thiel E. Topical transforming growth factor-beta3 in the prevention or alleviation of chemotherapy-induced oral mucositis in patients with lymphomas or solid tumors. *J Immunother* 2001; 24: 384-8.
 91. Sonis ST, Fey EG. Oral Complications of Cancer Therapy. *Oncology* 2002; 16: 680-686.
 92. Antin JH, Lee SJ, Neuberg D, Alyea E, Soiffer RJ, Sonis S, Ferrara JL.. A phase I/II double-blind, placebo-controlled study of recombinant human interleukin-11 for acute

- mucositis and acute GVHD prevention in allogeneic stem cell transplantation. *Bone Marrow Transplant* 2002; 29:373-7.
93. Sonis ST. The biologic role for nuclear factor-kappaB in disease and its potential involvement in mucosal injury associated with anti-neoplastic therapy. *Crit Rev Oral Biol Med* 2002; 13:380-89.
 94. Sonis ST, Scherer J, Phelan S, Lucey CA, et al. The gene expression sequence in an animal model of acute radiation-induced oral mucositis. *Cell Prol* 2002; 35 (Suppl 1):93-102.
 95. Antin JH et al. Interleukin-1 blockade does not prevent acute graft versus host disease. Results of a randomized, double blind, placebo-controlled trial of Interleukin-1 receptor antagonist in allogeneic bone marrow transplantation. *Blood* 2002; 100:3479-82.
 96. Kuo WP, Whipple ME, Sonis ST, Ohno-Machado L, Jenssen TK. Gene expression profiling by microarrays and its application to dental research. *Oral Oncol* 2002; 650-56.
 97. Cella D, Pulliam J, Fuchs H, Miller C, Hurd D, Wingard JR, Sonis S, Martin PJ, Giles F. Evaluation of pain associated with oral mucositis during the acute period following the administration of high-dose chemotherapy. *Cancer* 2003; 98:406-12.
 98. Kuo WP, Whipple ME, Jenssen T, Todd R, Epstein JP, Ohno-Machado L, Sonis ST, Park PJ. Microarrays and clinical dentistry. *JADA* 2003; 134:456-462.
 99. Trantolo DJ, Sonis ST, Thompson MJ, Wise DL, Lewandrowski K, Hile DD. Evaluation of a porous, biodegradable biopolymer scaffold for mandibular reconstruction. *Int J Oral Maxillofac Implants* 2003; 18:182-88.
 100. Donnelly JP, Bellm LA, Epstein JB, Sonis ST, Symonds RP. Antimicrobial therapy to prevent or treat oral mucositis. *THE LANCET Infectious Diseases* 2003; 3:405-412.
 101. Sonis ST, O'Donnell K, Popat R, et al. The relationship between mucosal cyclooxygenase-2 (COX-2) expression and experimental radiation induced mucositis. *Oral Oncol* 2004; 40:170-6.
 102. Giles FJ, Miller CB, Hurd DD, Wingard JR, Fleming TR, Sonis ST, Bradford WZ, Pulliam JG, Anaissie EJ, Beveridge RA, Brunvard MM, Martin PJ; PROMPT-CT Trial Investigators. A phase III, randomized, double-blind, placebo-controlled, multinational trial of iseganan for the prevention of oral mucositis in patients

- receiving stomatotoxic chemotherapy (PROMPT-CT trial). *Leuk Lymphoma* 2003; 44:1165-72.
103. Eisbruch A, Rhodus N, Rosenthal D, Murphy B, Rasch C, Sonis S, Scarantino C, Brizel D. The prevention and treatment of radiotherapy-induced xerostomia. *Semin Radiat Oncol* 2003; 13:302-8.
104. Eisbruch A, Rhodus N, Rosenthal D, Murphy B, Rasch C, Sonis S, Scarantino C, Brizel D. How should we measure and report radiotherapy-induced xerostomia? *Semin Radiat Oncol* 2003; 13:226-34.
105. Alvarez E, Fey EG, Valax P, Yim Z, Peterson JD, Mesri M, Jeffers M, Dindinger M, Twomlow N, Ghatpande A, LaRochelle WJ, Sonis ST, Lichenstein HS. Preclinical characterization of CG53135 (FGF-20) in radiation and concomitant chemotherapy/radiation-induced oral mucositis. *Clin Cancer Res* 2003; 9:3454-61.
106. Scully C, Epstein J, Sonis S. Oral mucositis: A challenging complication of radiotherapy, chemotherapy, and radiochemotherapy: Part 1, Pathogenesis and prophylaxis of mucositis. *Head and Neck* 2003; 25: 1057-70.
107. Scully C, Epstein J, Sonis S. Oral mucositis: A challenging complication of radiotherapy, chemotherapy, and radiochemotherapy. Part 2: Diagnosis and management of mucositis. *Head Neck* 2004; 26:77-84.
108. Sonis ST, et al. Perspective on cancer therapy-induced mucosal injury: Pathogenesis, Measurement, Epidemiology, and Consequences for Patients. *Cancer*, 2004; 100 (9 Suppl):1995-2025.
109. Rubenstein EB, Peterson DE, Schubert M, Keefe D, McGuire D, Epstein J, Elting LS, Fox PC, Cooksely C, Sonis ST. Clinical practice guidelines for the prevention and treatment of cancer-induced oral and gastrointestinal mucositis. *Cancer* 2004; 100 (9 Suppl):2026-46.
110. Sonis ST. A biological approach to mucositis. *J Support Oncol* 2004; 2: 21-32.
111. Sonis ST. Pathobiology of Mucositis. *Semin Oncol Nurs* 2004; 20: 11-15.
112. Sonis ST. The pathobiology of mucositis. *Nature Reviews Cancer* 2004; 4:277-84.
113. Kang S, Popat R, Bragdon C, O'Donnell K, Phelan S, Yaun J, Sonis S. Caspase-11 is not necessary for chemotherapy-induced intestinal mucositis. *DNA and Cell Biol* 2004; 23:490-495.

114. Cutler C, Kim HT, Hochberg E, Ho V, Alyea E, Lee SJ, Fisher DC, Miklos D, Levin J, Sonis S, Soiffer RJ, Antin JH. Sirolimus and tacrolimus without methotrexate as graft-versus-host disease prophylaxis after matched related donor peripheral blood stem cell transplantation. *Biol Blood Marrow Transplant* 2004; 10:328-36.
115. Kuo WP, Whipple ME, Epstein JB, Jenssen T, Santos GS, Ohno-Machado L, Sonis ST. Deciphering gene expression profiles generated from DNA microarrays and their application in oral medicine. *Oral Surg Oral Med Oral Pathol Radiol Endod* 2004; 97:584-91.
116. Sonis ST. Orthodontic management of selected medically compromised patients: cardiac disease, bleeding disorders, and asthma. *Seminars in Orthodontics*. 2004. In press.
117. Sonis ST. Oral mucositis in cancer therapy. *J. Supportive Oncol* 2004; 2:3-8.
118. Hwang D, Popat R, Bragdon C, O'Donnell KE, Sonis ST. Effects of ceramide inhibition on experimental radiation-induced oral mucositis. *Oral Surg, Oral Med, Oral Pathol, Radiol, Endod* 2005; In press.
119. Alvarez E, Gerlach VL, Gerwien RW, Fey EG, Watkins BA, Hahne WF, Sonis ST. Single-dose prevention or short-term treatment with fibroblast growth factor-20 (CG53135-05) reduces the severity and duration of oral mucositis. *Supp Cancer Ther* 2005; 2:122.
120. Sonis ST. Is oral mucositis an inevitable consequence of intensive therapy for hematologic malignancies? *Nature Clinical Practice Oncol* 2005; 2: 134-5.
121. Cutler C, Shuli L, Kim HT, Laglenne P, Szeto KC, Hoffmeister L, Harrison MJ, Ho V, Alyea E, Lee SJ, Soiffer R, Sonis S, Antin JH. Mucositis after allogeneic hematopoietic stem cell transplantation: a cohort study of methotrexate and non-methotrexate-containing graft-versus-host disease prophylaxis regimens. *Biol Blood and Marrow Transplant* 2005; 383-88.
122. Tanner AC, Kent RK, VanDyke T, Sonis ST, Murray LA. Clinical and other risk indicators for early periodontitis in adults. *J Periodontol* 2005; 76:573-81.
123. Hile DD, Sonis ST, Doherty SA, Tian X, Zhang Q, Jee WS, Trantolo DJ. Dimensional stability of the alveolar ridge after implantation of a bioabsorbable graft substitute: a radiographic and morphometric study in rats. *J Oral Implantol* 2005; 31:68-76.

Books and Monographs:

1. Sonis ST, Jandinski JJ (eds). The Dental Clinics of North America 18, Physical and Laboratory Diagnosis. W.B. Saunders Company, 1975.
2. Sonis ST, Shklar G. Immunopathology of oral mucosal disease. In textbook of Oral Biology, Shaw J. et al. (eds), W.B. Saunders Company, 1975.
3. Sonis ST, Lockhart PB. Guide to the diagnosis and management of oral complications of cancer therapy. Instructional Handbook, 1979.
4. Peterson DP, Sonis ST (eds). Oral Complications of Cancer Therapy. Martinus Nijhoff Publishers, 1983.
5. Sonis ST. Epidemiology of oral complications of cancer chemotherapy. In: Peterson DP and Sonis ST (eds), Oral Complications of Cancer Chemotherapy, Martinus Nijhoff Publishers, pg. 1, 1983.
6. Sonis ST, Fazio R, Fang L: Principles and Practice of Oral Medicine. W.B. Saunders Company, 1984.
7. Sonis ST, Lockhart PB. Oral complications of cancer chemotherapy. In: Shklar G (ed), Oral Oncology, W.B. Saunders Company, pp. 186-201, 1984.
8. Lucks D, Sonis ST. Dental management for cancer patients receiving head and neck radiation. In: Shklar G (ed), Oral Oncology, W.B. Saunders Company, pp. 138-143, 1984.
9. Glowacki J, Kaban LB, Sonis ST, Rosenthal RK, Mulliken JF. Physiological aspects of bone repair using demineralized bone. In: Hunt T et al. (eds), Soft and Hard Tissue Repair, Praeger Publishers, pp. 265-280, 1984.
10. Sonis ST. Prophylactic antibiotic use. In: Newman M et al. (eds), Antibiotic Management of Dental Patients, Quintessence Publishing Company, pp. 144-150, 1984
11. Sonis ST. Consideration for cancer patients. In: Newman M et al. (eds), Antibiotic Management of Dental Patients, Quintessence

- Publishing Company, pp. 156-161, 1984.
12. Sonis ST. Oral complications of cancer therapy. In: DeVita V, Helman S, Rosenberg S. Principles and Practice of Medical Oncology, J.P. Lippincott, pp. 2014-2021.
 13. Lockhart PB, Connolly SF, Sargent KR, Sonis ST. A Practical Guide to Hospital Dental Practice, MASCO Publishers, 1985.
 14. Peterson D, Elias G, Sonis ST (eds). Head and Neck Management of the Cancer Patient, Martinus Nijhoff Publishers, 1986.
 15. Sonis ST. Cancer: Its complications and the head and neck. In: Peterson, Elias and Sonis, Head and Neck Management of the Cancer Patient. Martinus Nijhoff Publishers, 1986.
 16. Sonis ST: Lesions of the Mouth in Branch WT, Office Practice of Medicine, Second Edition. W.B. Saunders Company, Phila., p. 241-243, 1987.
 17. Sonis ST: Oral complications of cancer therapy. In: DeVita V, Helman S and Rosenberg S. Principles and Practice of Medical Oncology, J.P. 3rd ed., 1989, Lippincott, Philadelphia, Pg. 2144-2152.
 18. Sonis ST. Use of the Clinical Laboratory. In: O'Donnell J (ed). Dental Management for Developmentally Disabled Resources in the Community. 2nd Edition, 1988. Mass Dept of Public Health, Pgs. 99-106.
 19. Sonis ST. Considerations for the management of periodontal disease in the Special Needs Patient in O'Donnell J Ed. Dental Management for Developmentally Disabled Resources in the Community. 2nd Edition, 1988. Mass. Dept. of Public Health, Pgs. 156-164.
 20. Otomo-Corgel J, Sonis ST. Prophylactic Antibiotic Use. In: Newman and Korman (eds), Antibiotic/Antimicrobial Use in Dental Practice. Quintessence Pub Chicago, pgs. 202-210, 1990.
 21. Sonis ST. Editorial. Current Opinion in Dentistry 1:1, 1991.
 22. Sonis ST. Oral complications of cancer therapy in research advances in dental medicine. Donoff RB (ed). Harvard School of Dental

- Medicine, pgs. 16-18, 1991.
23. Sonis ST. Oral complications of cancer therapy in Holland J et al., eds. Cancer Medicine. 3rd edition. Lea and Febiger, Philadelphia 1993, p 2381.
 24. Sonis ST. Oral complications of cancer therapy in Principles and Practice of Oncology. DeVita et al, eds, JB Lippincott Co. Philadelphia 1993, p 2385.
 25. Sonis ST (ed), Dental Secrets, Hanley and Belfus, Pubs., Philadelphia 1994.
 26. Sonis ST, Fazio R, Fang L: Principles and Practice of Oral Medicine. 2nd Edition. W B Saunders, Philadelphia 1994.
 27. Sonis ST: The Best of Dental Humor. Hanley and Belfus, Pubs., Philadelphia 1997.
 28. Sonis ST: Review Toth BB et al Minimizing Oral Complications of cancer treatment. Oncology, 1995. 9:864-866.
 29. Woo SB and Sonis ST. Changes in the mouth during pregnancy in Harachap and Wallack, eds. Skin changes and diseases in pregnancy. Marcal Dekker, Inc., New York 1996.
 30. Sonis ST. Oral complications of cancer therapy in Holland J et al. Cancer Medicine 4th Edition. Lea and Febiger, Philadelphia 1996.
 31. Sonis ST (ed). Dental Secrets (2nd ed). Philadelphia: Hanley and Belfus. 1999.
 32. Contributor. The Harvard Guide to Women's Health. Harvard University Press. 1996.
 33. Contributor, Komaroff AL (ed). Harvard Medical School Family Health Guide. Simon & Schuster. 1999.
 34. Sonis ST. Oral Complications of Cancer Therapy in Holland et al. Cancer Medicine 5th edition. BC Decker, Philadelphia, 2000.
 35. Otomo-Corgel J, Sonis ST. Prophylactic Antibiotic Use in Newman M and van Winkelhoff AJ (eds). Antibiotic and Antimicrobial Use in Dental Practice. 2nd edition. Quintessence, Carol Stream, Illinois, 2001.

36. Sonis ST. Animal models for mucosal toxicity in Teicher, B (ed). *Animal Models in Cancer Research*, Humana Press, Totowa, NJ, 2002.
37. Sonis ST, Peterson DE, McGuire DB, Williams DA. *Mucosal Injury in Cancer Patients: New Strategies for Research and Treatment*. JNCI Monograph 29, 2001.
38. Sonis ST, Fazio R, Fang L. *Oral Medicine Secrets*. Hanley and Belfus, Philadelphia, 2002.
39. Sonis ST, Costa JW, Jr. Oral complications of cancer therapy in Holland et al. *Cancer Medicine* 6th edition. BC Decker, Philadelphia, In press.
40. Sonis ST. Diseases of the mouth in Branch WT (ed). *Office Practice of Medicine* 4th edition. WB Saunders, Philadelphia, 2003.
41. Sonis ST (ed). *Dental Secrets* (3rd Ed). Philadelphia: Hanley and Belfus. June, 2003.
42. Sonis S. Chemotherapy, mucositis and treatment in Rankin KV, Jones DL, Redding SW eds. *Oral Health in Cancer Therapy*. Academy of General Dentistry Foundation, 2004.

Abstracts (selected):

1. Jandinski JJ, Sonis ST, Abbey L. Studies of mast cells in rats with streptozotocin-induced diabetes. IADR Abstract 117, 1971.
2. Guinta J, Sonis ST, Jandinski JJ. The effect of insulin on healing of experimental oral ulcers. IADR Abstract 274, 1973.
3. Jandinski JJ, Sonis ST, Guinta J, Sonis A, Reid D. Mast cells in malignant lesions of ALS and BCG treated hamsters. IADR Abstract 281, 1974.
4. Sonis A, Sonis ST, Stelos P. Distribution of sublingually injected tumor cells in immunocompetent and immunodeficient mice. IADR Abstract 159, 1976.
5. Stelos P, Finn D, Steele G, Jr., Sonis ST, Wilson RE. Detection of differential refractometry of a low MW protein associated with 19S

immunoglobulin. Fed Proc 1978; 37:1596.

6. Sonis ST, Lamster IB, Mirando D, Wilson RE. Enhancement of rosette formation following trypsinization of oral leukocytes. J Dent Res 1979; 58(special issue):A206.
7. Lamster IB, Sonis ST, Mirando DM, Wilson RE. Aggregated IgG modification of polymorphonuclear leukocyte-lymphocyte interaction. J Dent Res 1979; 58(special issue):A205.
8. Wilson RE, Lamster IB, Sonis ST. Interaction between polymorphonuclear leukocytes and lymphocytes. Halsted Society, 1979.
9. Sonis ST, Lamster IB, Donati R, Rodrick M, Walker C, Wilson RE. Inflammatory potential of suspected periodontal pathogens. Accepted for oral presentation, AADR, J Dent Res. Special Issue A. 1980; 59: 334.
10. Lamster IB, Sonis ST, Rodrick M, Wilson RE. Polymorphonuclear leukocyte effects on immune cytolysis. Accepted for oral presentation AADR, J Dent Res. Special Issue A. 1980; 59:460.
11. Rodrick M, Lamster IB, Sonis ST, Wilson RE. Effect of neutrophils on antibody synthesis in mice. Accepted for oral presentation, AADR, J Dent Res. Special Issue A. 1980; 59:460.
12. Fitzgerald J, Rodrick ML, Lamster IB, Sonis ST. Immune modulation by periodontal pathogen-induced neutrophil products. J Dent Res. 60 Special Issue A. 1981; A59.
13. Fitzgerald J, Rodrick ML, Sonis ST, Wilson RE. Nonspecific immunoregulation by oral bacteria. ASM 1981; E17.
14. Fitzgerald JE, Sonis ST, Rodrick ML, Wilson RE. Neutrophil regulation of immune responses in vivo. J Dent Res 1982; 61:333.
15. Correa LA, Sonis ST, Wilson RE. Tentative de suppressao de metastases com imunoterapia ativa especifica. Immunologia 658, 1984.
16. White BA, Antczak A, Sonis ST, Tulloch JF. Value of periodontal screening prior to chemotherapy for acute leukemia. J Dent Res 1987.
17. O'Brien JP, Muska AD, VanVugt AG, Sonis ST, Haley JD: Parameters

Effecting the Course of Ulcerative Mucositis in Hamsters. J Dent Res 73 (IADR Abstracts) 62:109, 1994.

18. Sonis ST. Molecular Basis of Mucositis in Cancer Patients. Proceedings of the 11th MASCC International Symposium Supportive Care in Cancer. 1999.
19. Sonis ST. Biological basis for mucositis. European Society for Oral Cancer Symposium. 2001.
20. Afshar S, Phelan S, O'Donnell KE, Bragdon CM, Castro DM, Sonis ST. A new in vivo model for the study of mucosal disease. J Dent Res 2002; 81:A0220.
21. Phelan S, Afshar S, O'Donnell KE, Bragdon CM, Castro DM, Sonis ST. A mucosal graft model to evaluate radiation-induced injury. J Dent Res 2002; 81:A0221.

Miscellaneous:

1. Sonis ST, Lockhart PB. Oral complications of Hodgkin's disease, Letter to the Editor, New England J Med 1979; 300:622.
2. Sonis ST and Feldbau E. Dental Q+A. Quarterly column in the Journal of the Massachusetts Dental Society, 1999-

Patents:

1. US Patent 6,458,777. Methods and compositions for treating and preventing mucositis. Issued October 1, 2002.
2. US Patent 6,663,850. Inhibition of ceramide for the prevention of oral mucositis by antineoplastic drugs or radiation. Issued December 16, 2003.
3. US Patent 6,713,463. Methods and compositions for treating and preventing mucositis. Issued March, 2004.
4. US Patent 6,841,578 B2. Treatment and prevention of mucositis in cancer patients. Issued January, 2005.